USMC Legacy Applications Transition (LAT) Overview-Update Brief

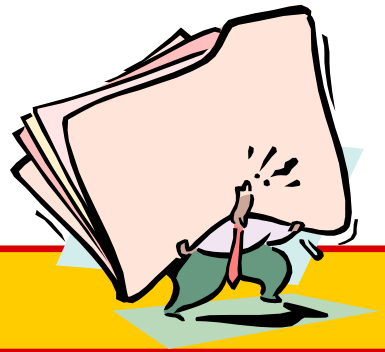
MCTOIC/STOIC Conference

3-4 June 03

Briefer: Mr. Robert Padilla
E-Mail: padillarf@mcsc.usmc.mil
Phone: (703)784-4898

Outline

- USMC LAT Objectives and Approach
- LAT Process
- Application Documentation Requirements (RFS, CCR, ASP, etc.)
- USMC Application Portfolio
- HQMC C4 Waiver Process
- LAT Tools/Databases
- POC’s and References



Objectives

- **Streamline Legacy Applications Inventory**
  - Near Term:
    - Inventory applications by functional area
    - Eliminate obsolete, non-standard and non-secure applications
  - Long Range:
    - Consolidate applications within, and across, functional areas
    - Develop enterprise management plan for applications
- **Certify Legacy Applications (LA) prior to NMCI Cutover**
  - Requirements
    - Windows 2000 Operating Environment
    - Compliance with MC Firewall Policy
    - DITSCAP Security Certification and Accreditation
  - Coordinate application NMCI Certification with EDS

USMC LAT Approach

- Short Term Approach
  - Command/Functional/Operational Rationalization
  - Get rationalized apps certified for NMCI
- Long Term Approach
  - Enterprise Rationalization and Management of Applications
  - Business Process Reengineering

USMC will utilize the transition to NMCI as a means to improve standardization and reduce the instances of duplication or redundant use of COTS/GOTS software applications

USMC LAT Process Overview

1.0 Legacy Applications Transition (LAT) Core Team

2.0

LATs complete RFS/ASP 2.a | **Testing/DAAs/Site Approvals** 2.b | **MCCARP** 2.c

3.0

MCEN ENVIRONMENT 3.a

LAT Team Charter 3.b

LAT Functional Teams

- -M&RA
- -Aviation
- -I&L
- -PP&O
- -P&R
- -AR
- -Pub Afs
- -C4
- -Intel
- -TECOM
- -MCRC
- -MCCDC
- -MATCOM
- -MCSC

LAT Operational Teams

- -MARFORPAC
- -MARFORLANT
- -MARFORRES
- -MARFORSOUT
- -MARFORCENT
- -MARFOREUR
- -MARFORKOR
- -MCCDC
- -MATCOM
- -MCRC
- -MCRD(S)

3.c

APPLICATIONS 3.d

EAST COAST LAB/PIAB TEST AND CERTIFICATION 3.g

EDS IA Tiger Team Re-engineering Review 3.h

Request For Service 3.f

EB&SS' MARINE CORPS APPLICATIONS PORTFOLIO DATABASE 3.l

Identify

Categorize

Rationalize Phases I & II 3.e

EB&SS 3.k

ATO/ IATO 3.q

SYSCOM DAA Application Approval 3.p

IATC 3.n

MCEN DAA Approves Major Command SSAA 3.t

Major Command DAA Review individual Site SSAAs and aggregates all Site SSAAs Submits to MCEN DAA 3.s

Site DAA Approves or Rejects Application Submits Site SSAA To Major Command DAA 3.r

SWG SITE VISIT 3.u

MCCA REVIEW PANEL 3.v

FINAL DAA APPROVAL 3.w

NMCI ENVIRONMENT 3.x

Complete SSAA, Application Security Plan

Also,

Communications Connectivity Request (CCR) For each app

3.i

Deliver To APM Info Sys 3.j

MITNOC Security Network Approval 3.m

MITNOC Re-engineering Review 3.o

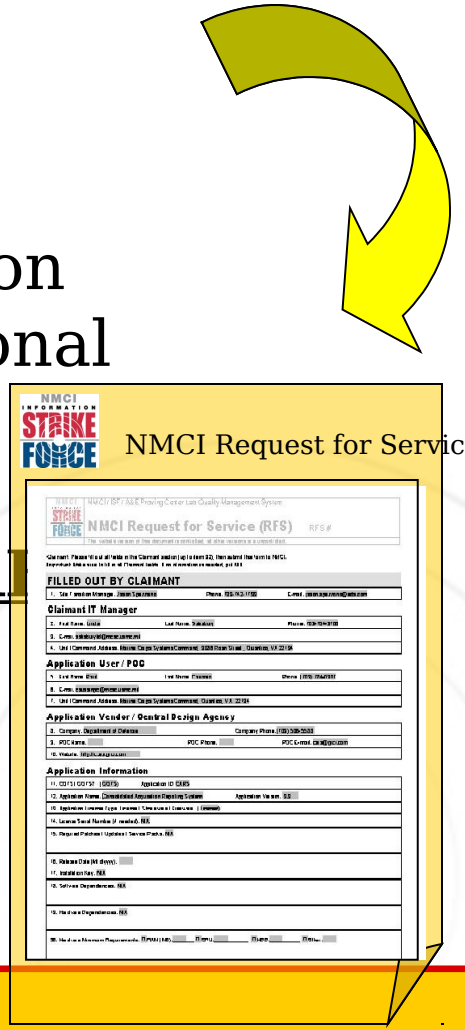
4.0

Request For Service

- **Definition**: The Request For Service is the document that initiates the application certification testing process.

- **Who needs to fill it out?**: Application functional sponsors, application operational sponsors or application owners.

- **What is the process for handling R**
  USMC (EB&SS) reviews, tracks and manages via RFS process.



Communications Connectivity Request (CCR)

- **Definition**: The CCR is a document designed to collect information that will be used in analyzing an application's communication requirements to determine how to operate the application in a NMCI environment.

- **Who needs to fill it out?** Application owners (POR, Program Mangers, Project Officers), Users, and Developers. EB&SS personnel can assist if requested.

- **Is it required for all applications?** It is required for all (GOTS) complex applications.

Application Security Plan (ASP)

- **Definition**: The Applications Security Plan is a tailored System Security Authorization Agreement (SSAA) condensing documentation of security certification geared to applications ONLY. It Significantly streamlines the Defense Information Technology Security Certification and Accreditation Plan (DITSCAP) and NMCI Connectivity Approval Process (NCAP) processes.

- **Who needs to fill it out?** Application functional sponsors, application operational sponsors or application owners.

- **Who is the SME?** MCSC Information Assurance Section.

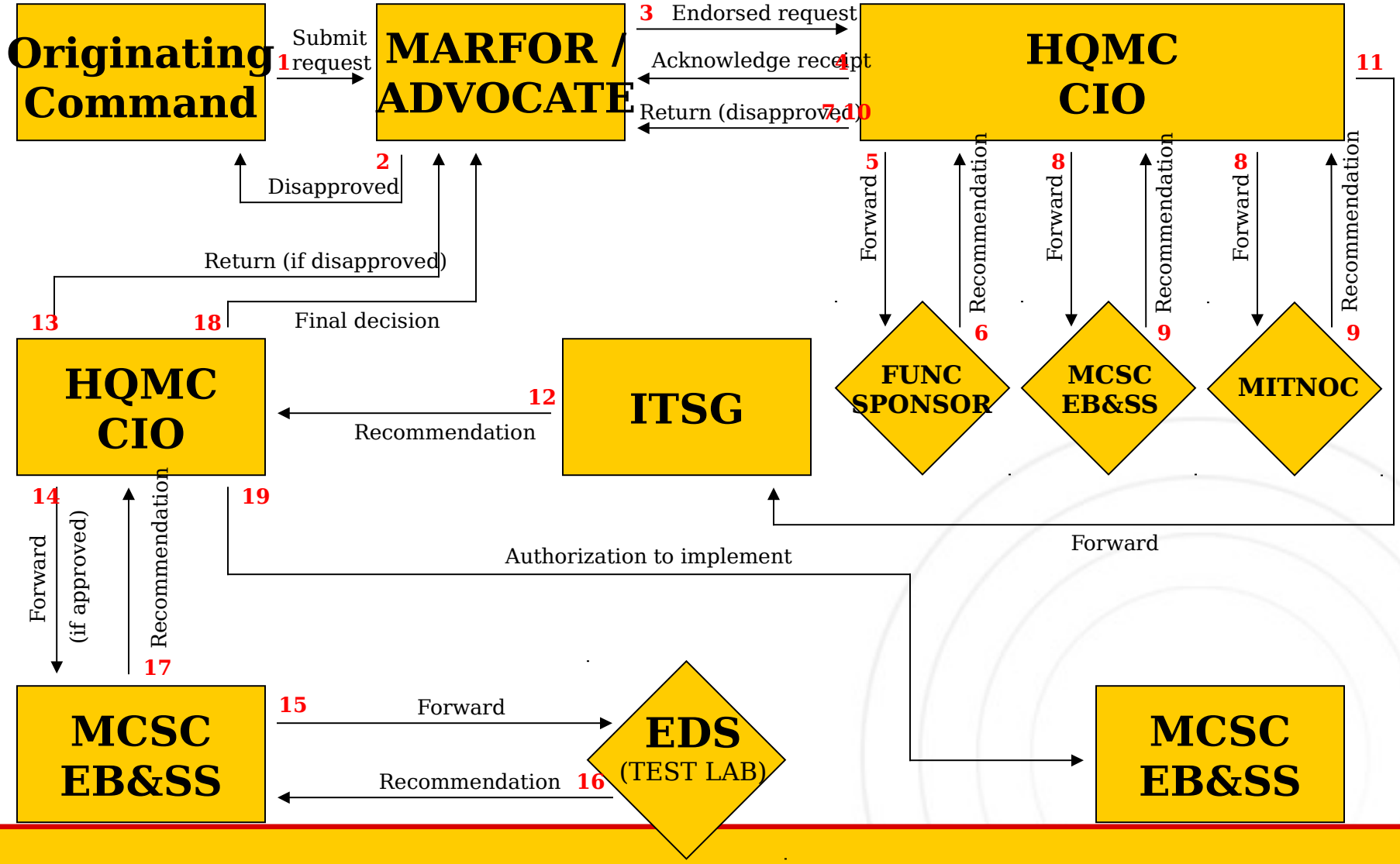
USMC Application Portfolio

- List of approved USMC Applications
  - Commonly referred to as the “Baseline” or “Rationalized List”
  - Consists of baseline, exception, dependent and development applications
  - Approved by HQMC C4
  - Managed by MCSC EB&SS LAT Team
  - Consists of approximately 870 applications
  - List of applications (real-time)can be found at https://mcap.mcsc.usmc.mil
  - *Only applications from the portfolio can be loaded on a NMCI desktop*

HQMC C4 Waiver Process

- Only way for COTS applications to be added to the Application Portfolio
  - Requests must come from LAT Functional Teams or LAT Operational Teams
  - HQMC C4 Adjudicates
  - If approved, HQMC notifies EB&SS to add the application to the portfolio
  - Application enters normal LAT process
  - Waiver process guidance can be found at http://hqinet001.hqmc.usmc.mil/c4

HQMC C4 Waiver Process, cont.



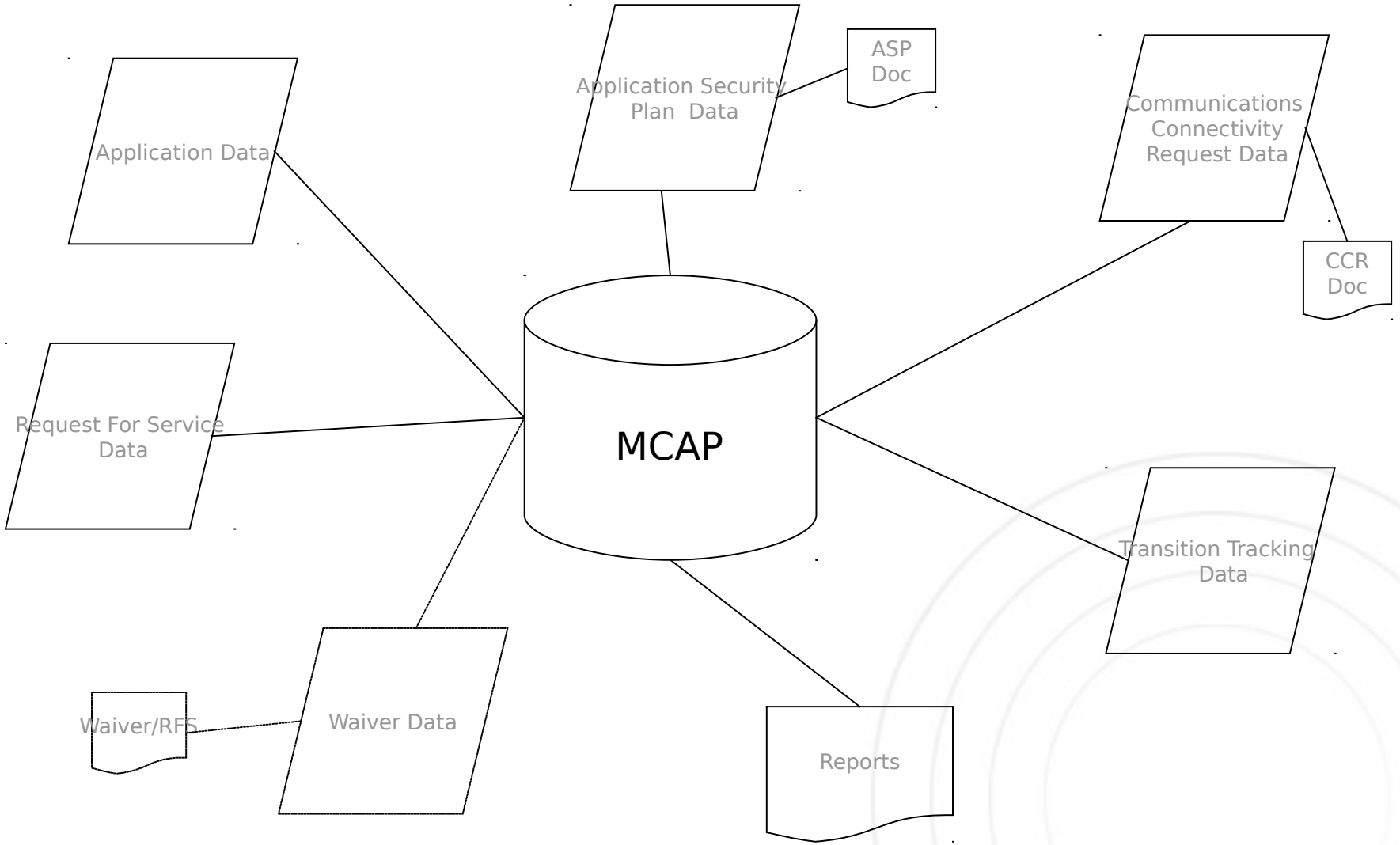
MCAP Background

- Initial Effort – In order to effectively manage NMCI legacy application transition in the USMC, it was decided (by HQMC C4 and MCSC, around Nov 01) to develop an automated tool that would address the following requirements:
  - Central data repository for all USMC legacy applications making the transition to NMCI
  - Enterprise visibility and management of all USMC legacy applications
  - Interoperability and data exchange with other developing DoN and commercial NMCI systems
  - Data repository and document generation capability for those documents required for USMC LAT efforts
  - Process management of USMC's NMCI LAT effort

Purpose and Components

- Purpose - *"The MCAP is intended to be the data repository for all relevant information pertaining to the applications (within the USMC Application Portfolio) transitioning to NMCI , pre and post transition."*
- **Owner –** MCSC EB&SS
- **Major Components within MCAP**:
  - Application Data
  - Applications Security Plan (ASP) Data
  - Communications Connectivity Request (CCR) (formerly the Engineering Review Questionnaire) Data
  - Security Working Group (SWG), Marine Corps Connectivity Review Panel (MCARP) and Designated Approval Authority (DAA) Tracking Data
  - Report Functionality

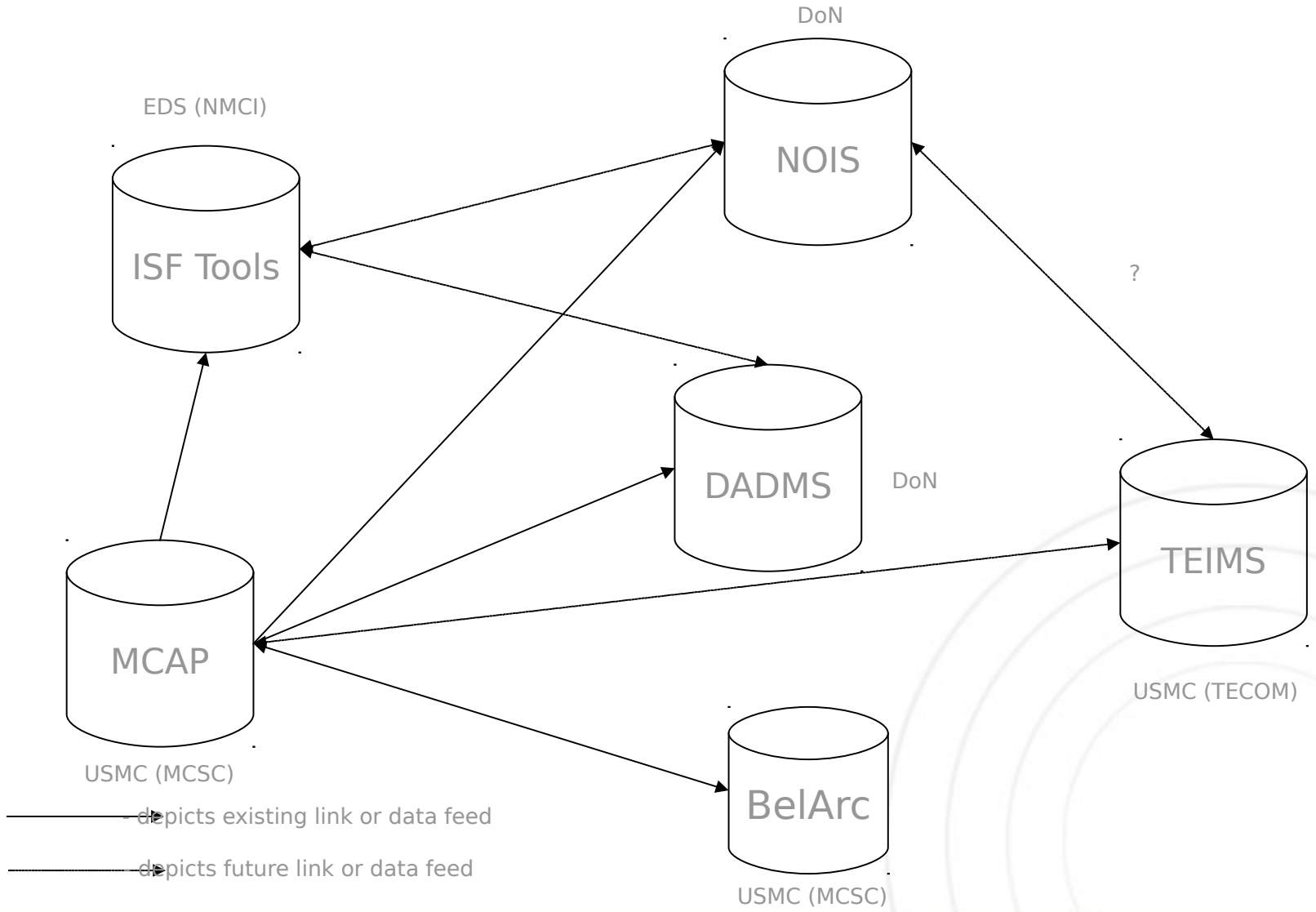
MCAP Components



MCAP Status

- Status
  - Application Data Section is in production mode
  - ASP Data Section is in production mode
  - SWG, MCARP and DAA Section (NMCI Transition Process Flow Tracking) is in production mode
  - CCR Section is in production mode.
  - Future: Automatic Links to Belarc, DADMS and ISF Tools, Web Services Capability and HQMC C4 Waiver Process
  - Over 280 current users (User ID and Password required)
  - Open to LAT Team POCs via the usmc.mil domain: https://mcap.mcsc.usmc.mil (requires login and password)
- POCs
  - Ms. Vickie Highlander, highlandervd@mcsc.usmc.mil, (703)784-3184
  - MCAP OMB: MCAP@mcsc.usmc.mil

NMCI Data Exchange Environment



ISF Tools and NOIS

- ISF Tools
  - EDS developed database
  - Designed to manage NMCI Legacy Applications transition for EDS
  - Contains USMC Application Portfolio
  - Contains EDS (lab) statuses
  - Accessed at https://usplswebh0ab.plano.webhost.eds.net/isftool/Login.jsp
  - Requires userid and password
- NOIS
  - Utilized for User to Application Mapping (UTAM)
  - POC is Capt Tanner at MCSC PM NMCI, tannerac@mcsc.usmc.mil.

BELARC

- Implemented throughout the Marine Corps
  - Maintained at MCSC EB&SS
  - Accessed via https://legacyapps.mcsc.usmc.mil
  - Requires userid and password
- Can be used as verification by CTR's/RCOR's
  - Can assist the PM NMCI led "desktop survey" currently being conducted (like at MCRD San Diego)
  - HQMC C4 message coming out soon asking for revalidation of user entry fields in BELARC

LAT References and POC's

- References:
  - USMC MCSC LAT Website: http://nmciinfo.usmc.mil
  - USMC IA Website: https://www.marcorsyscom.usmc.mil/se&I
  - ISF Website: http://www.eds.com/nmci
  - HQMC C4 Website: http://hqinet001.hqmc.usmc.mil/c4
- POC's:
  - USMC Legacy Applications Overall Lead: Ms. Linda Salisbury, smblatnmci@mcsc.usmc.mil
  - USMC RFS Lead: Ms. Vickie Highlander, smblatnmci@mcsc.usmc.mil
  - USMC Lab Liaison: graemeje@mcsc.usmc.mil
  - USMC Information Assurance Lead: Mr. Mike Davis, davismf@mcsc.usmc.mil
  - USMC Waiver Process: Ms. Kathy Kincaid, kincaidkm@hqmc.usmc.mil
  - ISF Legacy Applications: Brian Labadie, brian.labadie@eds.com

Questions?

Backups

RFS Summary Report

USMC	Total	# of RFSs Required	# of RFSs Received	Delta	# of RFSs Sent to Lab	Certified	Failed	NRFC	In Process	% of RFSs Received	% of RFSs Completed Testing
EGOTS	146	92	89	3	87	40	2	0	44	96.74 %	45.65 %
LGOTS	102	46	38	8	38	14	1	0	23	82.61 %	32.61 %
JGOTS	218	185	169	16	151	86	7	0	57	91.35 %	50.27 %
ECOTS	100	82	78	4	78	18	1	0	59	95.12 %	23.17 %
LCOTS	59	42	38	4	35	19	1	0	15	90.48 %	47.62 %
JCOTS	12	10	10	0	4	2	0	0	2	100.00 %	20.00 %
EXCEPTION	145	135	96	39	88	24	1	0	59	71.11 %	18.52 %
DEVELOPMENT	85	12	9	3	8	3	0	0	5	75.00 %	25.00 %
Totals:	867	604	527	77	489	206	13	0	264	87.25 %	36.26 %

Simple vs Complex

- A SIMPLE APPLICATION IS DEFINED AS ONE THAT RUNS ON A DESKTOP AND DOES NOT HAVE INTERDEPENDENCIES WITH OTHER APPLICATIONS (EXAMPLES: MS WORD, POWER POINT, EXCEL).
- A COMPLEX APPLICATION IS DEFINED AS ONE THAT HAS SOME INTERDEPENDENCIES ON OTHER APPLICATIONS (EXAMPLES: CLIENT TO SERVER APPLICATIONS, DATABASE SYSTEMS, THIN AND THICK CLIENTS, AND APPLICATIONS COMMUNICATING OVER LANS, BANS, AND WANS.)
- AN APPLICATION THAT RUNS ON A DESKTOP AND INTERACTS WITH DATA FILES ON A SHARED NETWORK FOLDER IS NOT CONSIDERED COMPLEX.

NMCI Certification Exceptions

- Web-based applications – exempt as long as no code is loaded or downloaded to the NMCI workstation
- Access databases – exempt as long as it's NOT an Access 97 database file (compatibility issue w/ Access 2000)
  - If your DB uses any executable code (i.e. front-ends written in Visual Basic) then DB must go through testing
- DOS Based Apps – need to be tested on a case-by-case basis
- Lotus Notes Applications/Databases -
  - Exempt since "Lotus Notes" proper will be certified by ISF (not each specific LN application/database)

NMCI Certification Requirements

- Windows 2K Compliance – Tested at the ISF Certification Labs
- Firewall Compliance – Tested at the ISF Certification Labs (Pop-in-a-Box) or on site and must comply with approved Marine Corps Firewall Policy
- Security Compliance -
  - Application must meet Defense Information Technology Security Certification and Accreditation Plan (DITSCAP) requirements. Checks and balances in place to ensure that required documentation is complete